

GILA RIVER BASIN

09498503 SOUTH FORK PARKER CREEK NEAR ROOSEVELT, AZ

LOCATION.--Lat 33° 47' 50", long 110° 57' 35", in NE1/4NW1/4 sec. 7, T.5 N., R.14 E., Gila County, Hydrologic Unit 15060103, in Tonto National Forest, 1.5 mi upstream from confluence with Pocket Creek, and 12 mi northeast of Roosevelt.

DRAINAGE AREA.--1.09 mi².

PERIOD OF RECORD.--Nov. 1985 to Sept. 1992, June 1994 to current year. Prior to Nov. 1985, station operated by the Forest Service (records unpublished).

GAGE.--Water-stage recorder and two sharp-crested weirs. Elevation of gage is 5,440 ft above sea level, from topographic map.

REMARKS.--Records good, except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 87 ft³/s, Mar. 6, 1995, gage height, 4.10 ft; no flow for many days each year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, since 1934, 270 ft³/s, Dec. 23, 1945, as reported by the Forest Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 0.19 ft³/s Aug. 5 at 1930. Minimum daily discharge, no flow for many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002 DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 0.00 | 0.00 | 0.01 | 0.02 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 0.00 | 0.00 | 0.02 | 0.01 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 |
| 6 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 |
| 7 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 |
| 8 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 0.00 | 0.00 | e0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 0.00 | 0.00 | e0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 0.00 | 0.00 | e0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 0.00 | 0.00 | e0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 |
| 17 | 0.00 | 0.00 | e0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 0.00 | 0.00 | e0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 0.00 | 0.00 | e0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 0.00 | 0.00 | 0.02 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29 | 0.00 | 0.01 | 0.02 | 0.01 | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 0.00 | 0.01 | 0.02 | 0.01 | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 0.00 | --- | 0.02 | 0.01 | --- | 0.00 | --- | 0.00 | --- | 0.00 | 0.00 | --- |
| TOTAL | 0.00 | 0.02 | 0.31 | 0.32 | 0.29 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 |
| MEAN | 0.000 | 0.001 | 0.010 | 0.010 | 0.010 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.000 |
| MAX | 0.00 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | 0.01 | 0.03 | 0.00 |
| MIN | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC-FT | 0.00 | 0.04 | 0.6 | 0.6 | 0.6 | 0.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 |
| CFSM | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IN. | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2002, BY WATER YEAR (WY)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MEAN | 0.043 | 0.128 | 0.344 | 0.769 | 1.166 | 1.538 | 0.633 | 0.089 | 0.014 | 0.006 | 0.073 | 0.039 |
| MAX | 0.37 | 0.92 | 1.52 | 5.33 | 6.61 | 5.11 | 2.77 | 0.22 | 0.076 | 0.034 | 0.29 | 0.19 |
| (WY) | 2001 | 2001 | 1992 | 1995 | 1995 | 1995 | 1991 | 1986 | 1992 | 1998 | 1986 | 1986 |
| MIN | 0.000 | 0.000 | 0.002 | 0.008 | 0.010 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| (WY) | 1990 | 1990 | 1990 | 1990 | 2002 | 2002 | 2002 | 2002 | 1989 | 1986 | 1996 | 1987 |

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1986 - 2002

| | | | |
|--------------------------|-------------|------------|-----------------|
| ANNUAL TOTAL | 124.03 | 1.07 | |
| ANNUAL MEAN | 0.340 | 0.003 | 0.389 |
| HIGHEST ANNUAL MEAN | | | 1.50 1995 |
| LOWEST ANNUAL MEAN | | | 0.003 2002 |
| HIGHEST DAILY MEAN | 4.1 Mar 8 | 0.03 Aug 6 | 51 Mar 6 1995 |
| LOWEST DAILY MEAN | 0.00 Jun 20 | 0.00 Oct 1 | 0.00 Jun 7 1986 |
| ANNUAL SEVEN-DAY MINIMUM | 0.00 Jun 23 | 0.00 Oct 1 | 0.00 Jun 7 1986 |
| ANNUAL RUNOFF (AC-FT) | 246 | 2.1 | 282 |
| ANNUAL RUNOFF (CFSM) | 0.31 | 0.003 | 0.36 |
| ANNUAL RUNOFF (INCHES) | 4.23 | 0.04 | 4.85 |
| 10 PERCENT EXCEEDS | 1.1 | 0.01 | 0.88 |
| 50 PERCENT EXCEEDS | 0.02 | 0.00 | 0.02 |
| 90 PERCENT EXCEEDS | 0.00 | 0.00 | 0.00 |

e Estimated